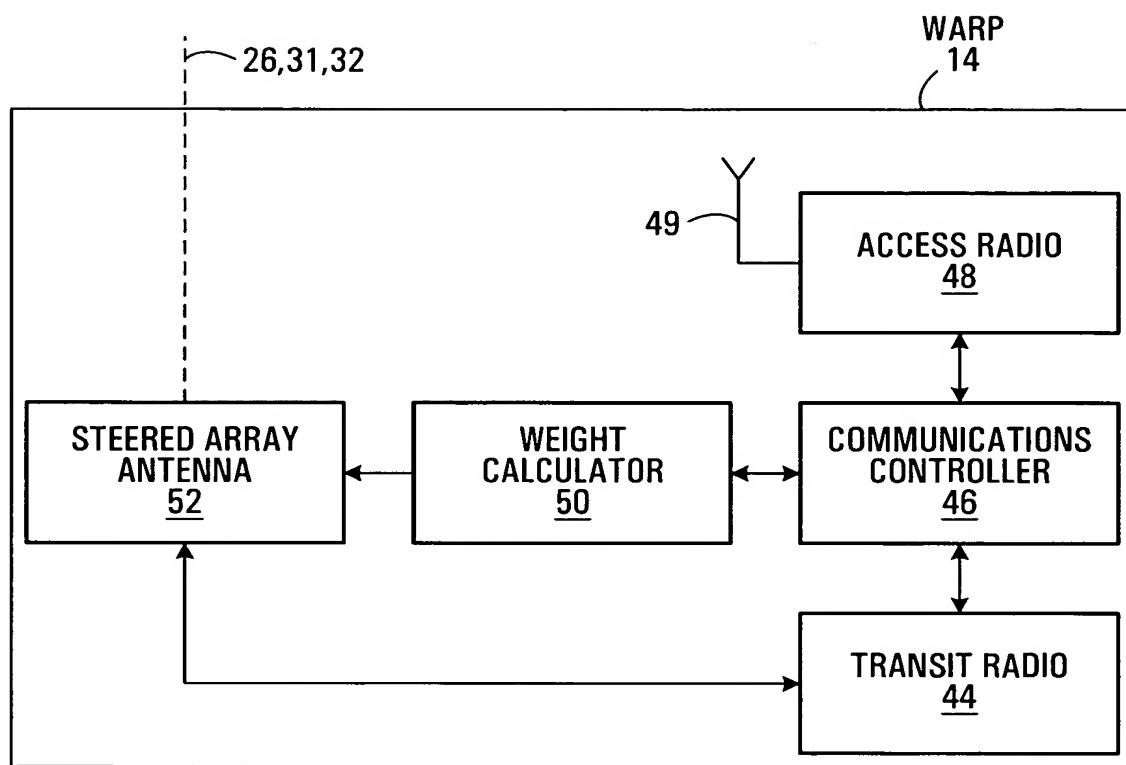
**FIG. 1**

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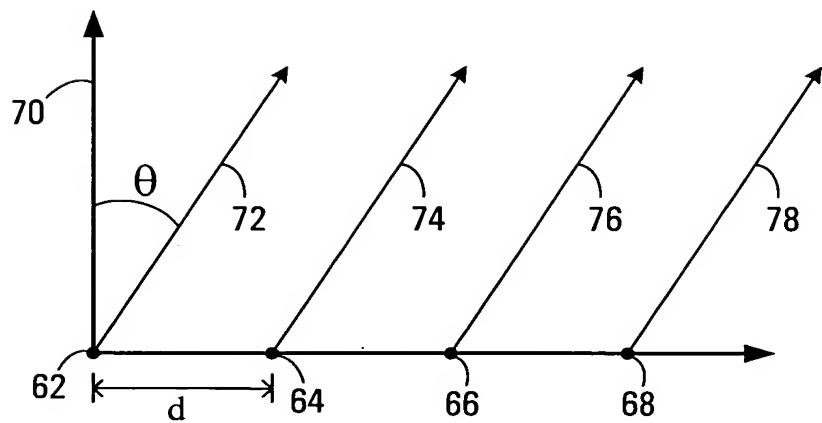
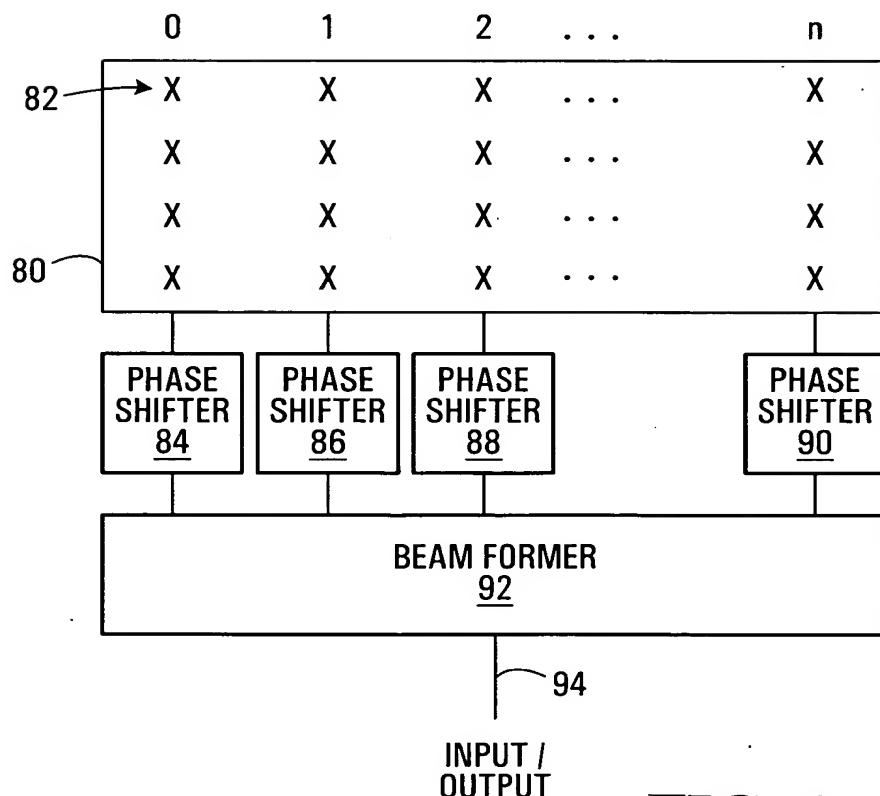


**FIG. 2**

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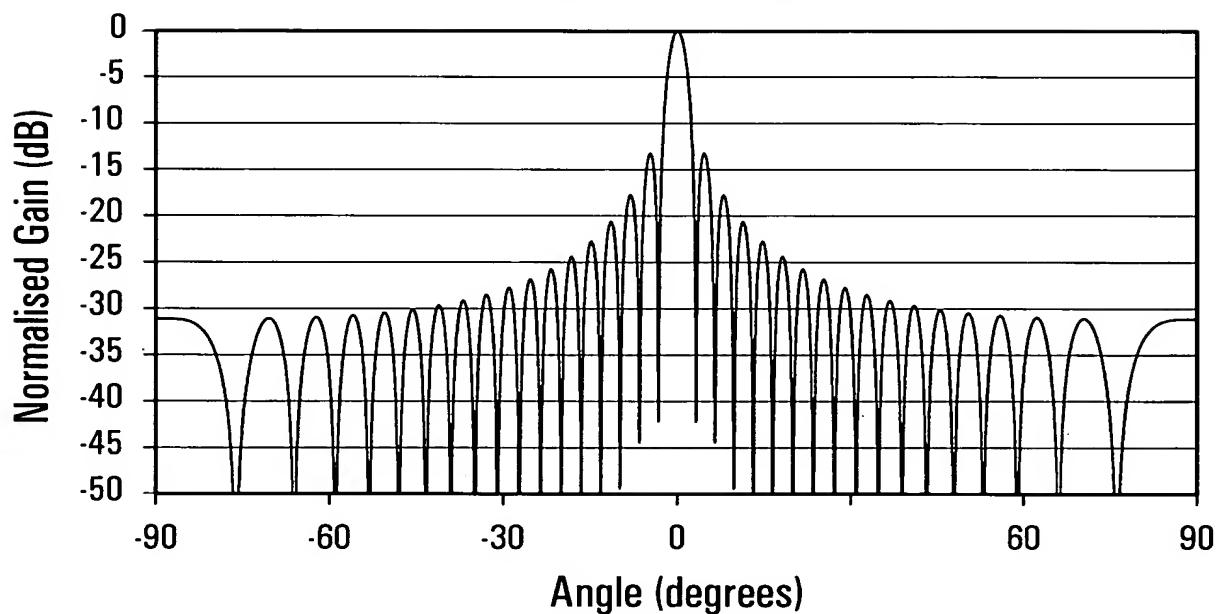
**FIG. 3****FIG. 4**

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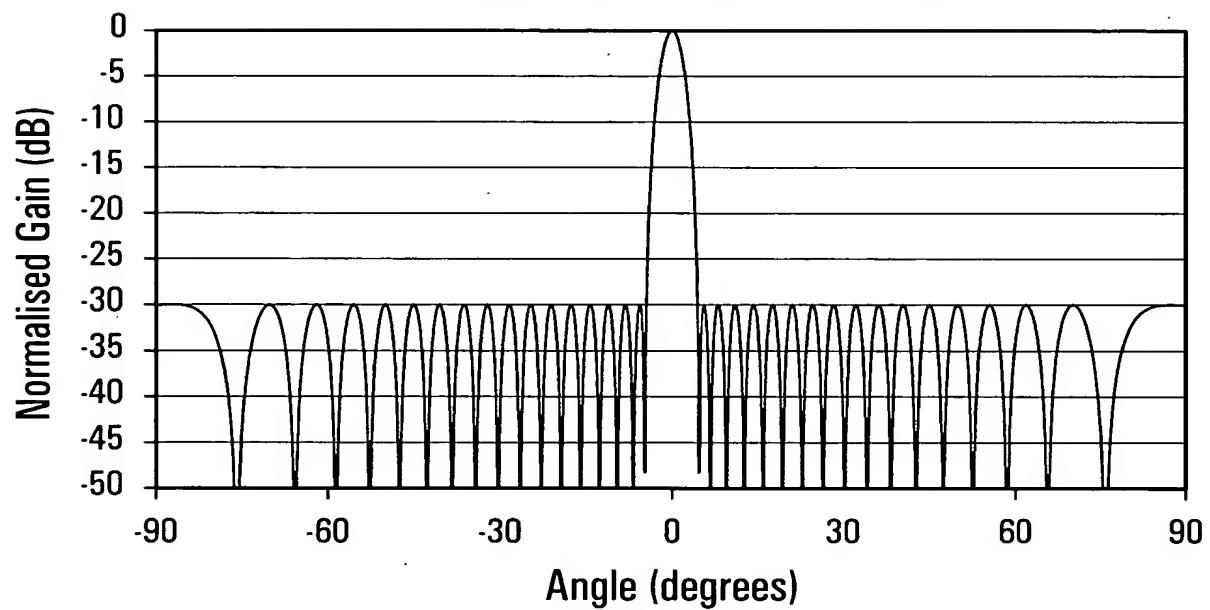
### Phased Array Antenna Pattern with a Uniform Antenna Element Excitation



**FIG. 5**

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**Phased Array Antenna Pattern with a Chebyshev  
-30dB Sidelobe Antenna Element Excitation**



**FIG. 6**

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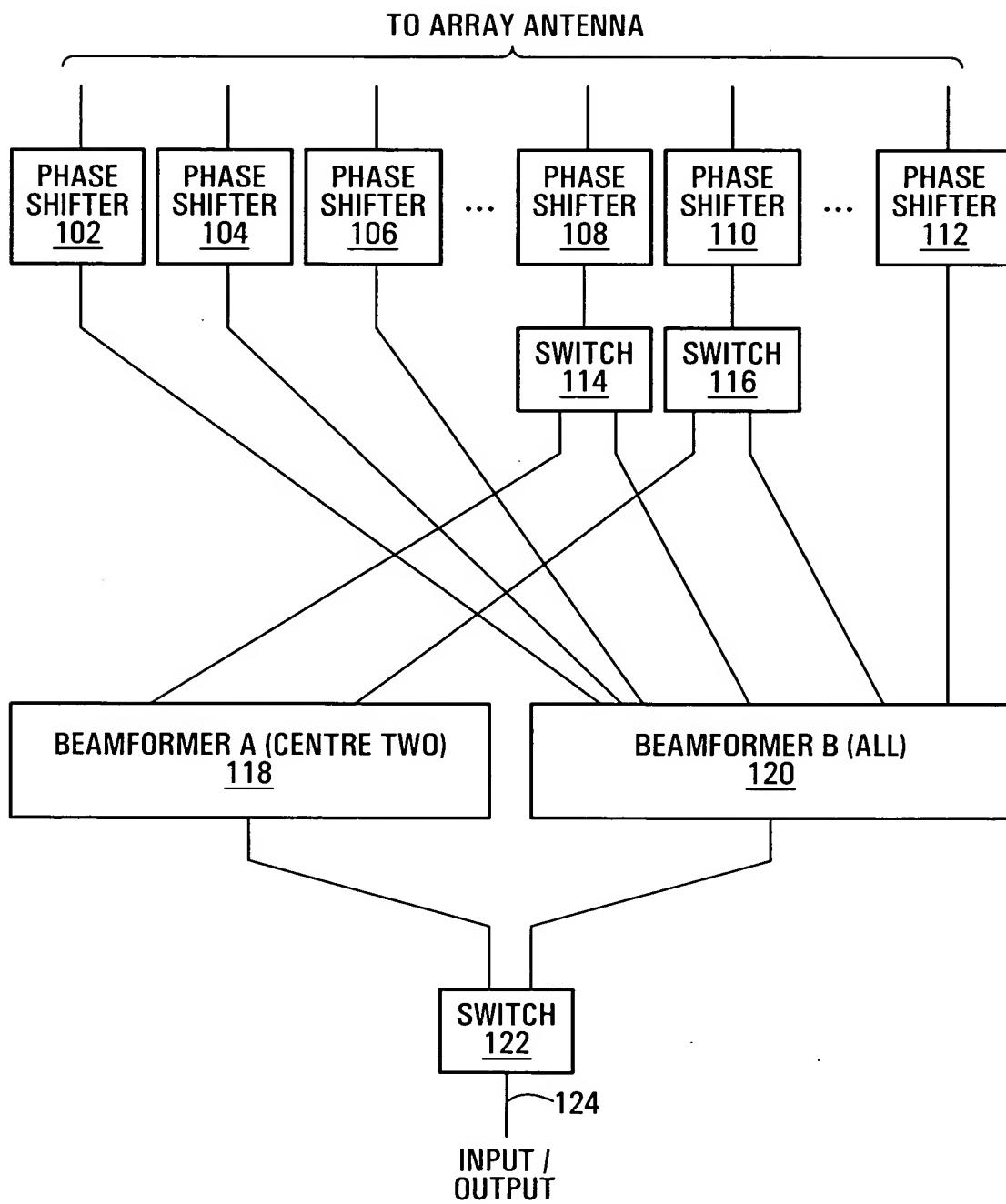
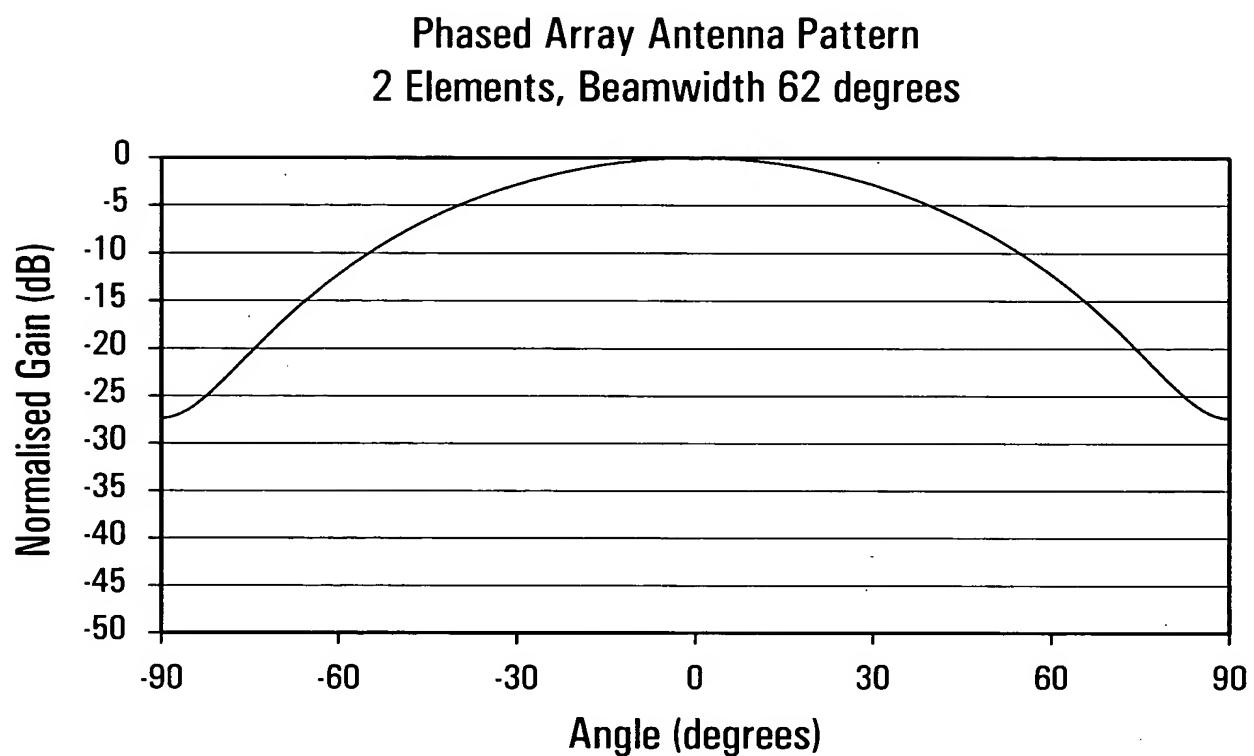


FIG. 7

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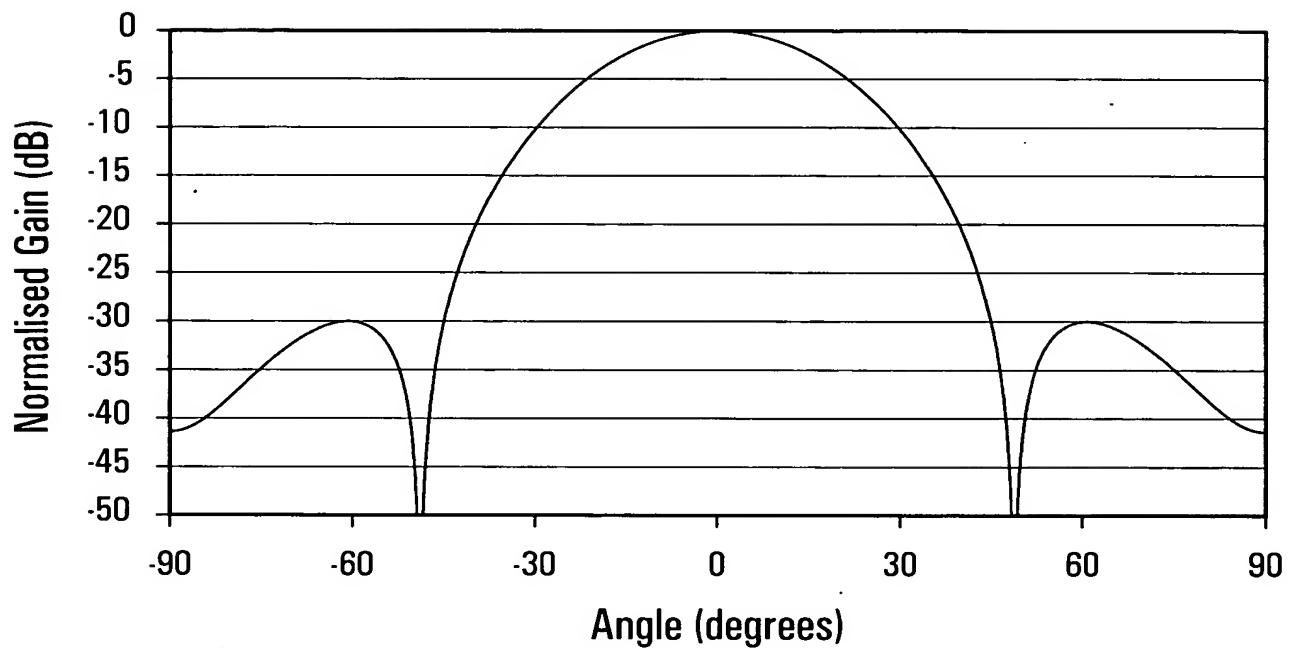
**FIG. 8**

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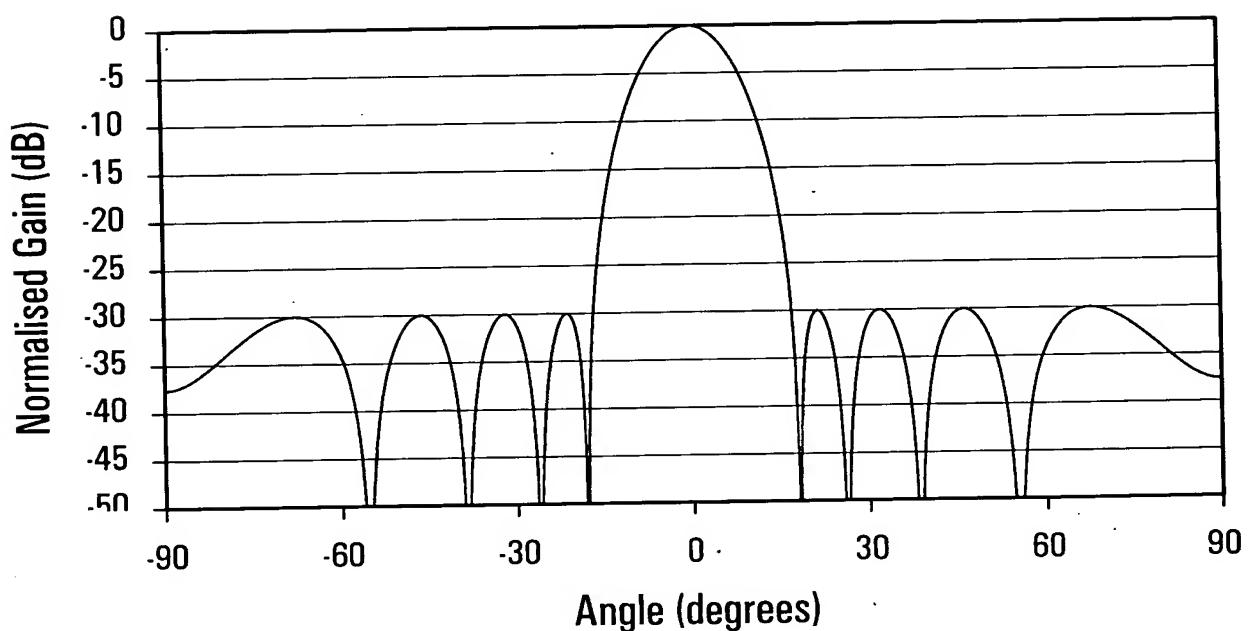
Phased Array Antenna Pattern  
4 Elements, Beamwidth 34 degrees



**FIG. 9**

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Phased Array Antenna Pattern  
10 Elements, Beamwidth 13 degrees

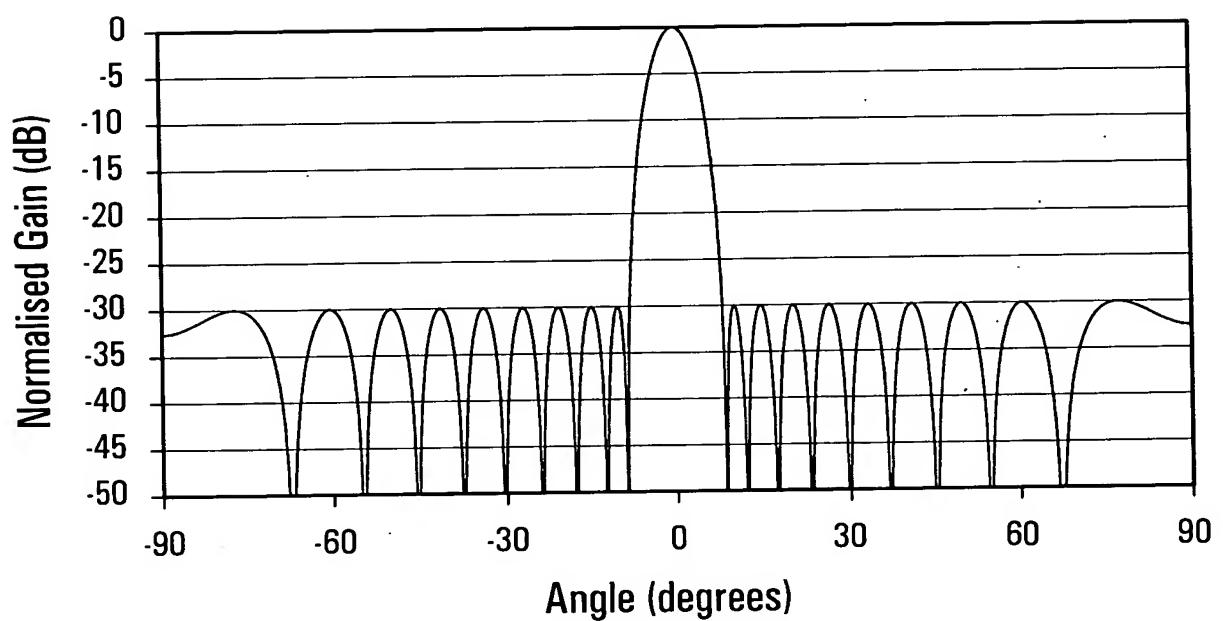


**FIG. 10**

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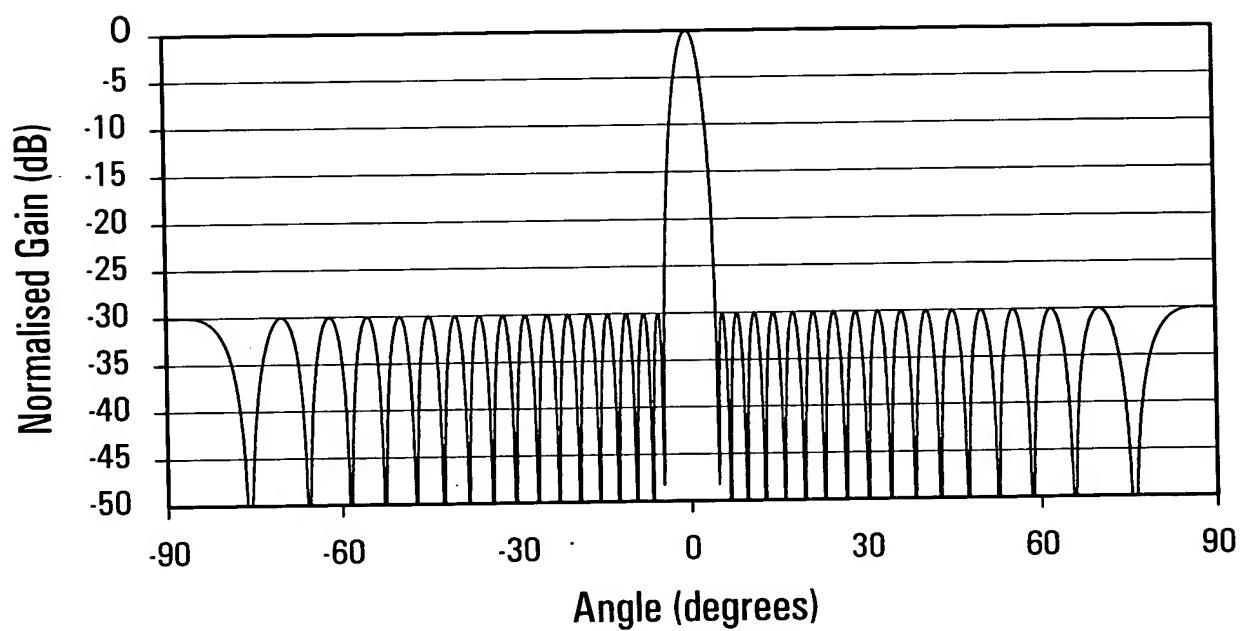
Phased Array Antenna Pattern  
20 Elements, Beamwidth 7 degrees



**FIG. 11**

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Phased Array Antenna Pattern  
36 Elements, Beamwidth 4 degrees



**FIG. 12**